

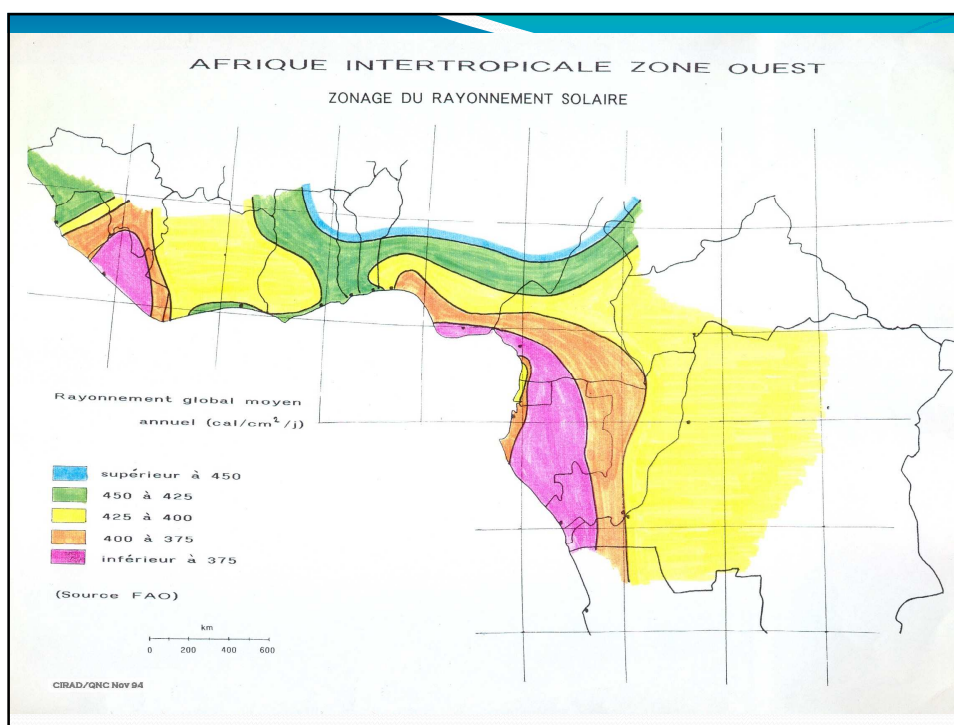
The slide has a decorative header with blue and white wavy lines. The title 'Oil palm requirements' is in a large, bold, blue font. Below the title is a list of five bullet points, each starting with a blue dot. The text is in a black font.

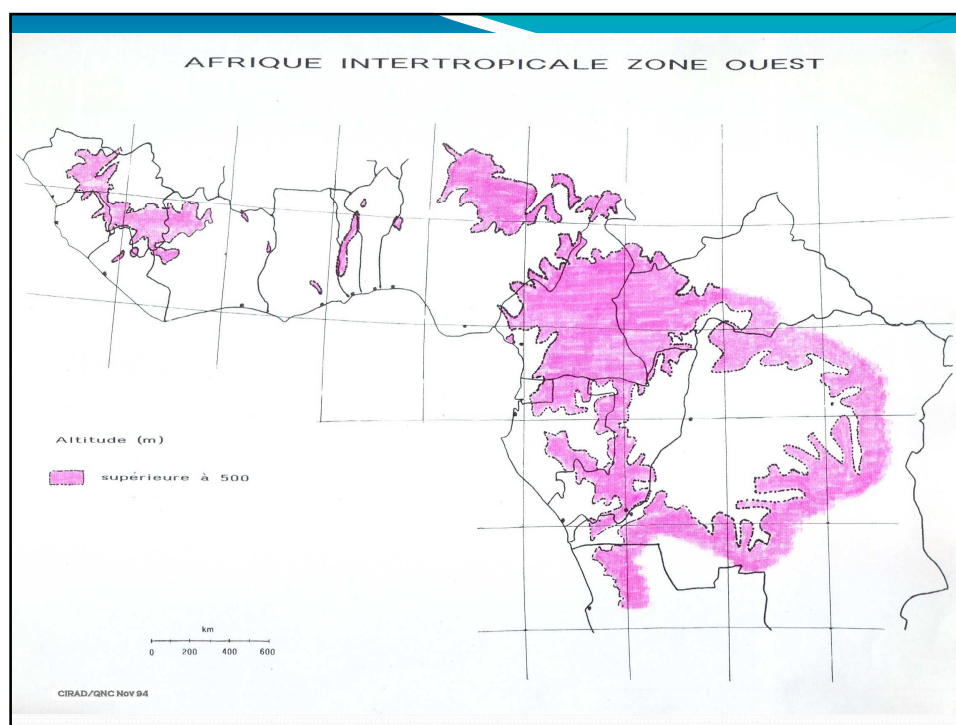
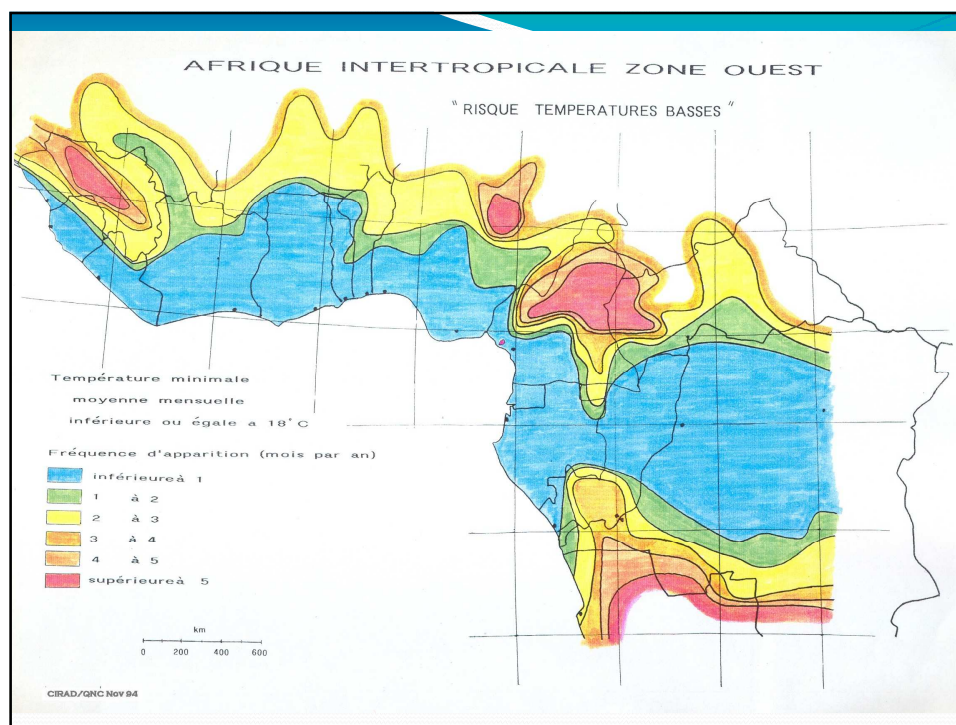
Oil palm requirements

- sunshine: between 1500 and 1800 hours a year;
- temperature: most favourable annual mean: 26°C, with monthly means of minima > 18° C, and a daily minimum temperature > 15°C;
- humidity: maximum with a monthly mean > 75%;
- water supply: requirement is 150 mm every month. If rainfall + soil reserve is below this value a given month, palms suffer from water deficit;
- soils: best yields are obtained on class I soils: deep soils with good water retention capacity which are rich in nutrients.

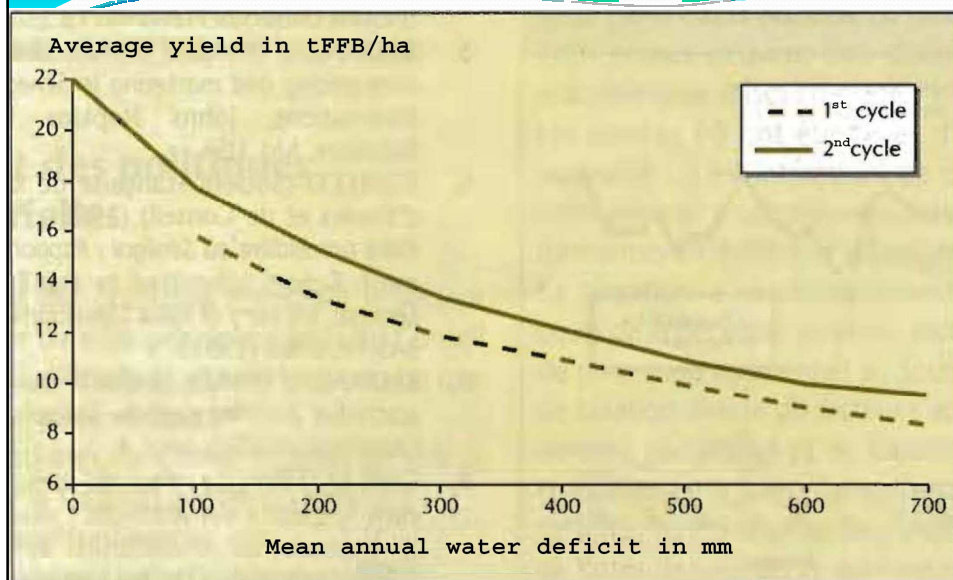
West and Central Africa

Agro-ecological conditions to meet requirements

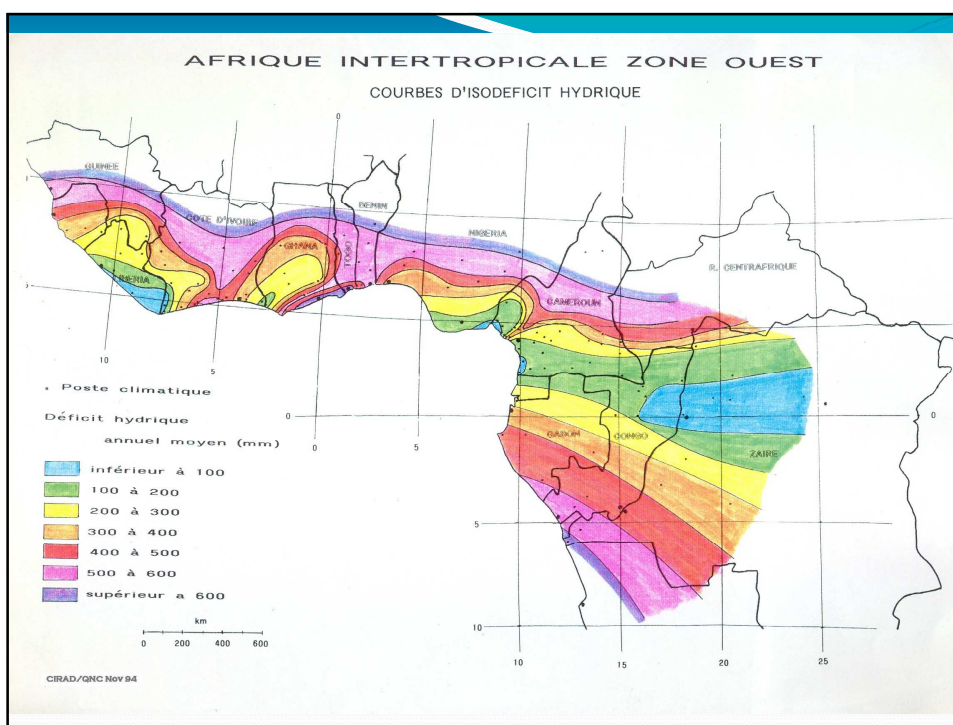




Relation between water deficit and yield

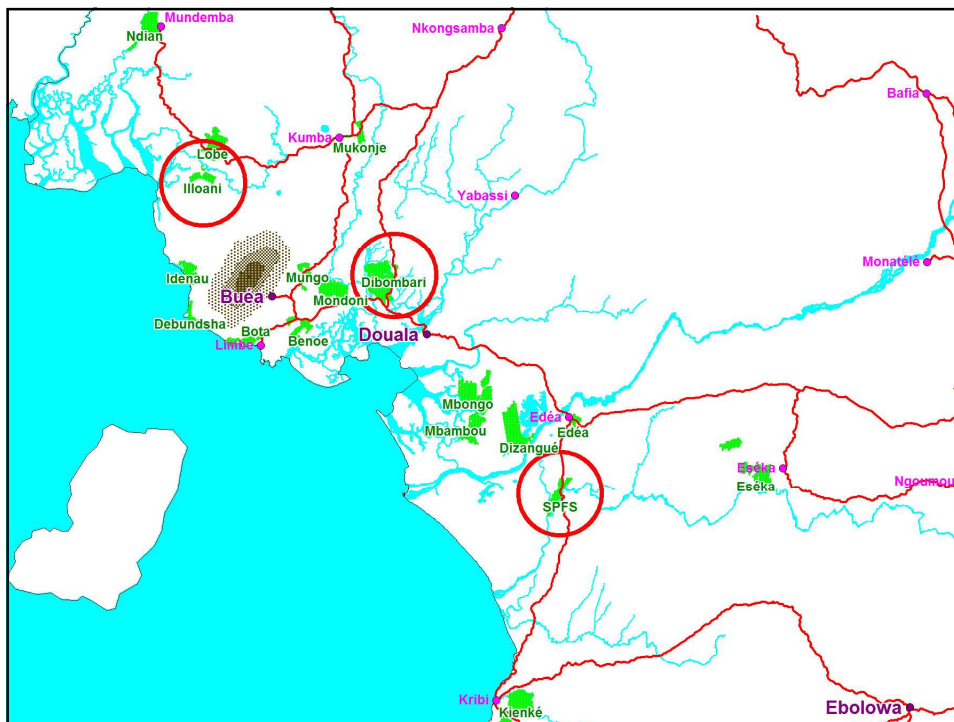


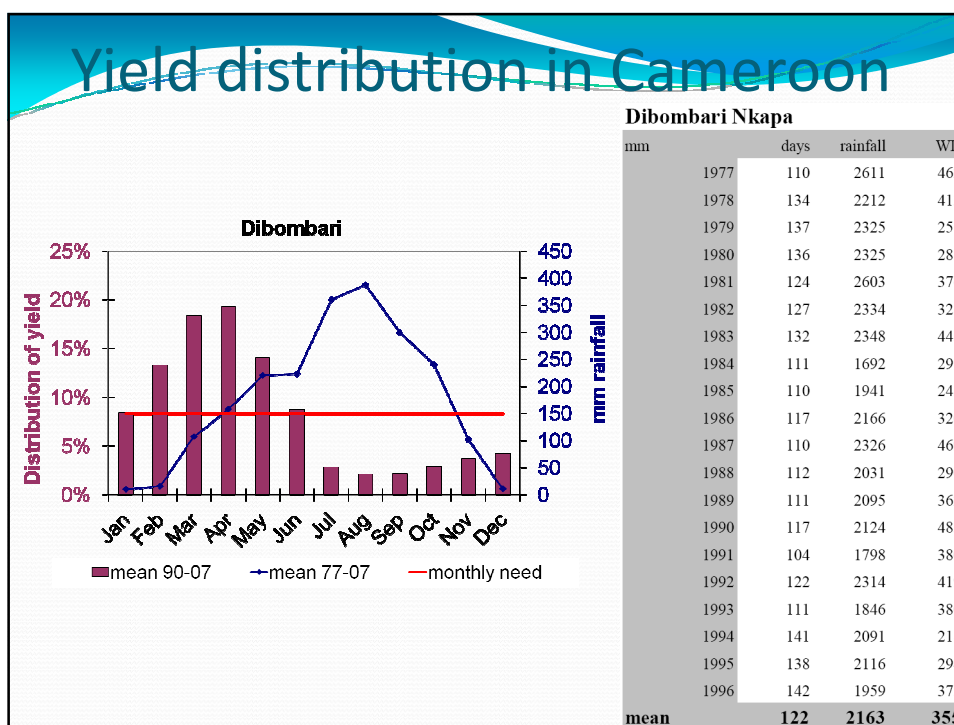
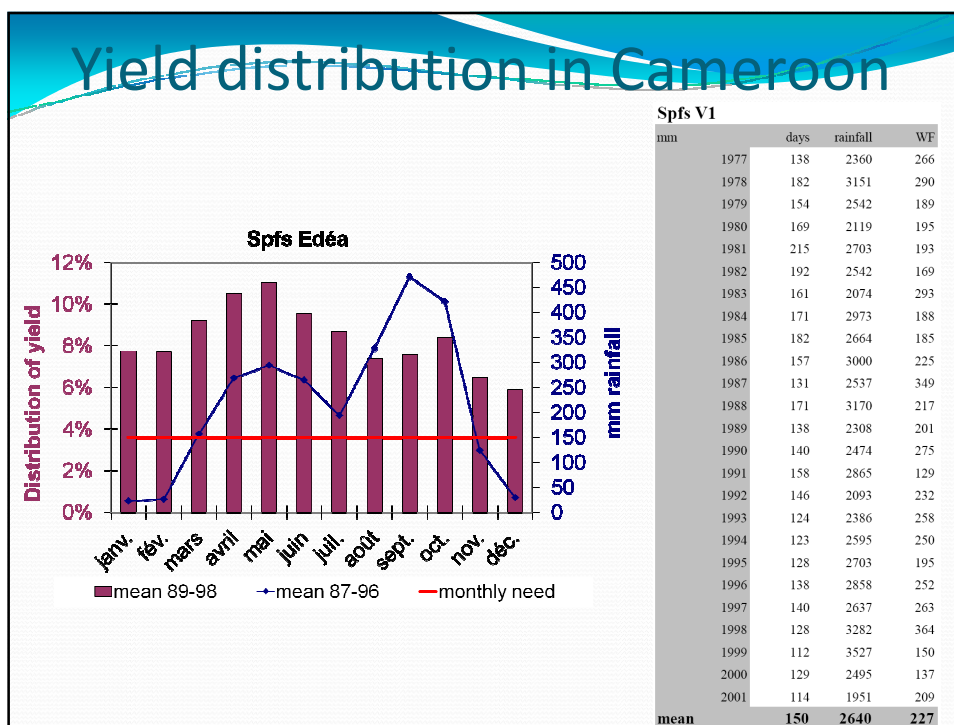
Relation deducted from results obtained in Ivory Coast (1996)

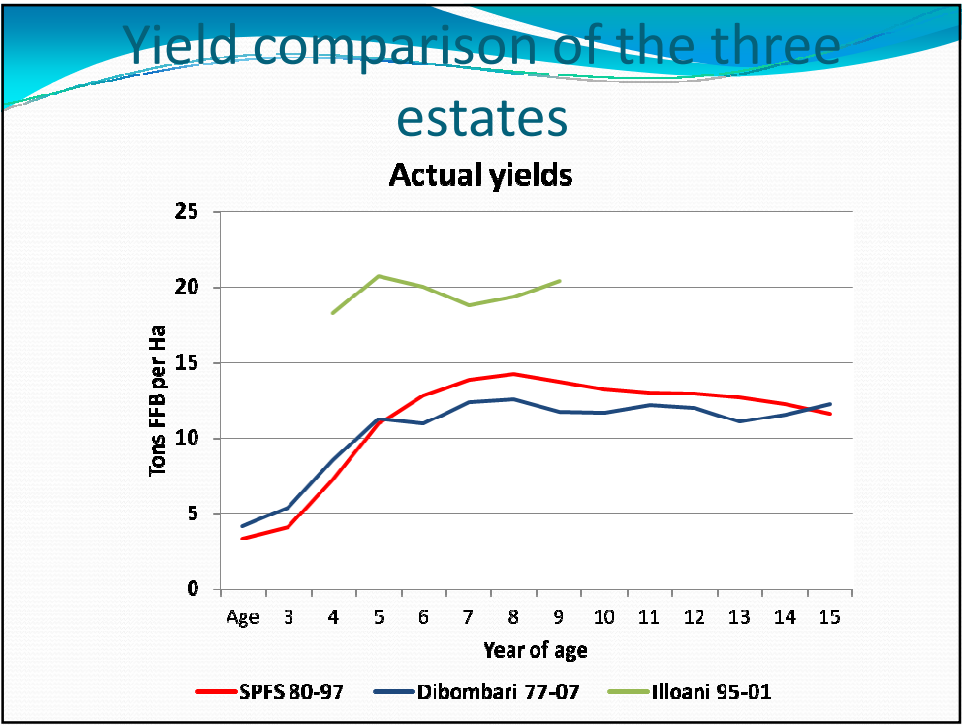
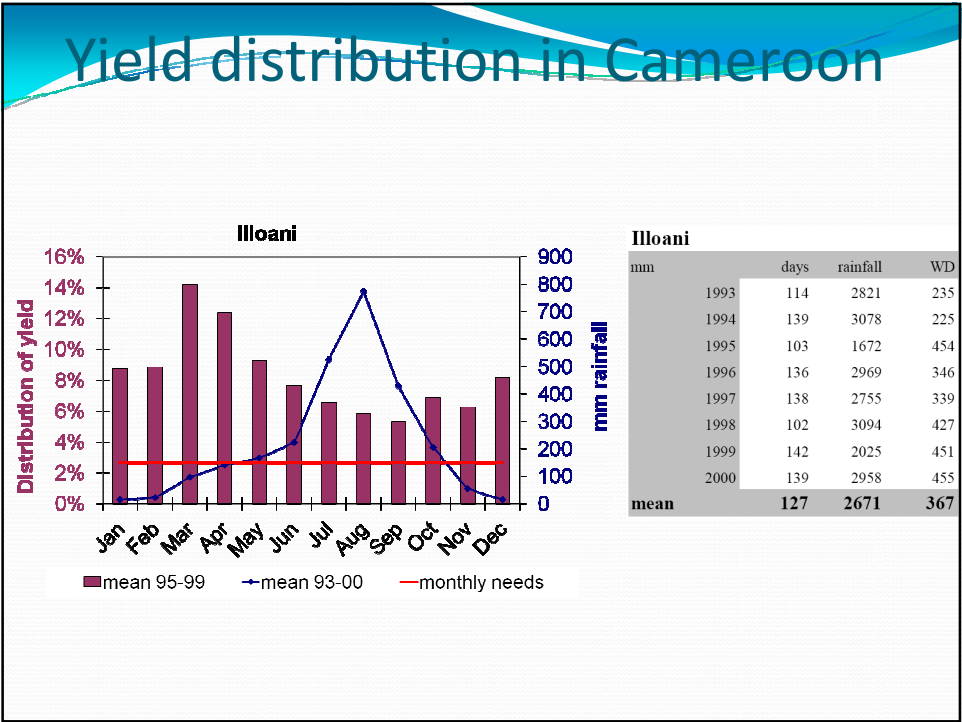


Water deficit

consequences on overall yield and monthly distribution





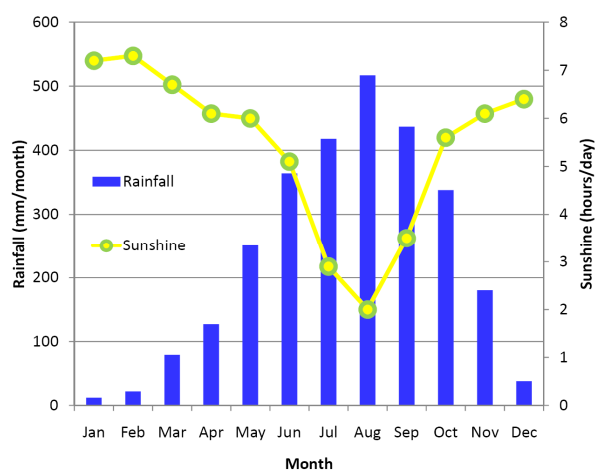


Comparison with Asia and South America

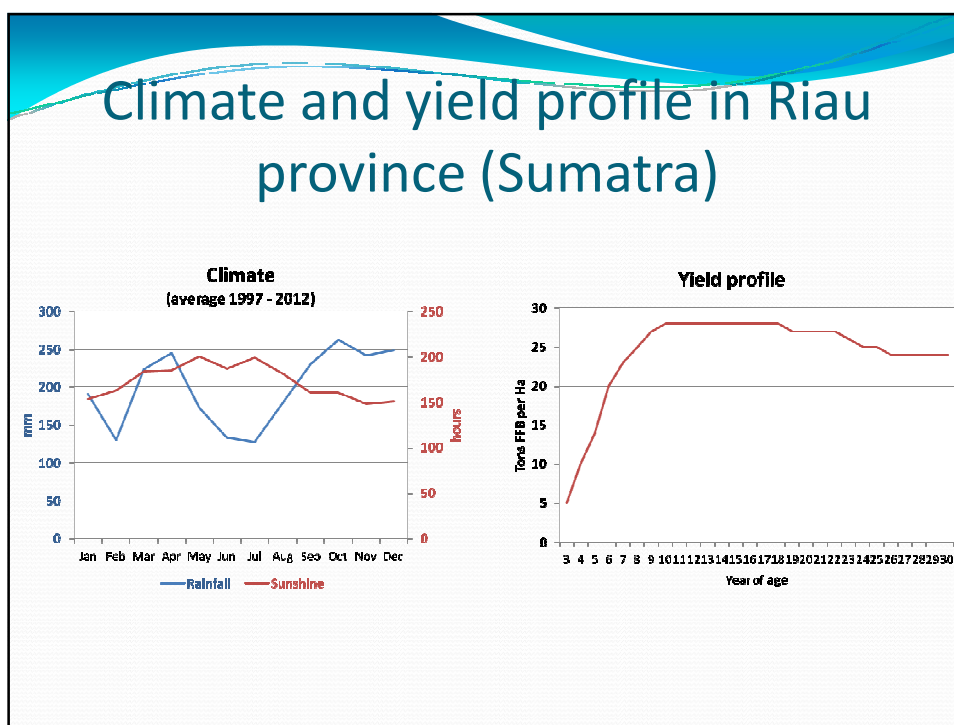
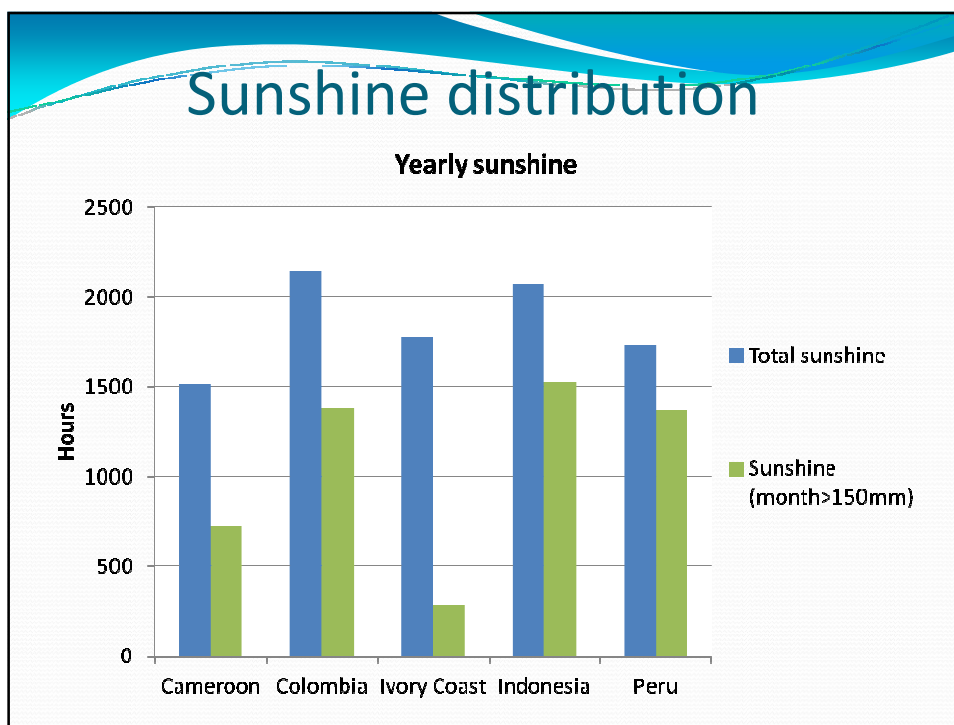
Why is there a yield gap?

Rainfall & sunshine distribution

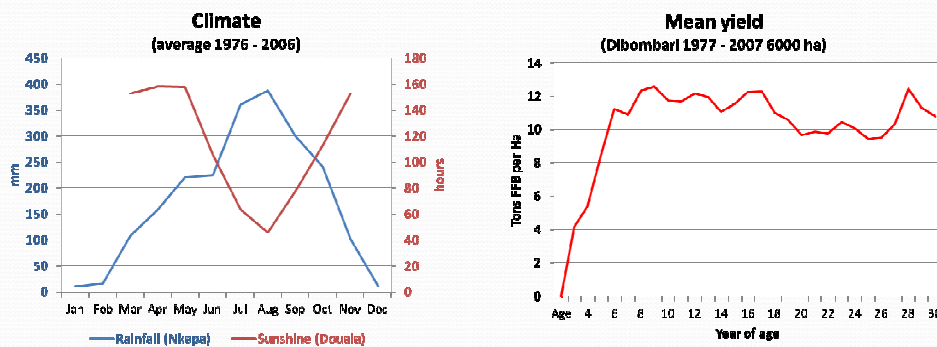
Annual Rainfall and Sunshine Profile
Njala, Central Sierra Leone



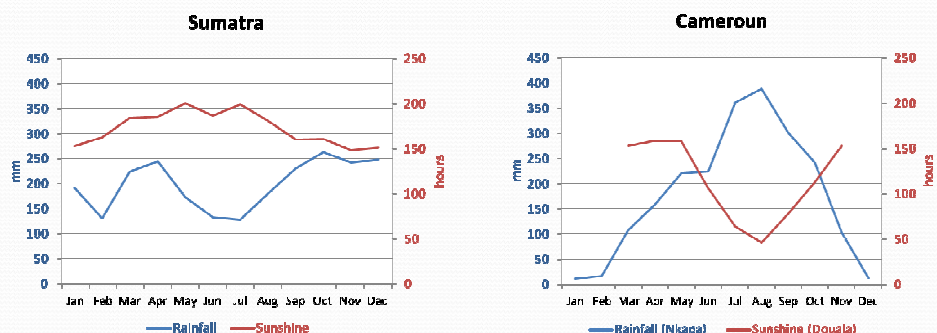
Source: SLARI (Sierra Leone Agricultural Research Institute)

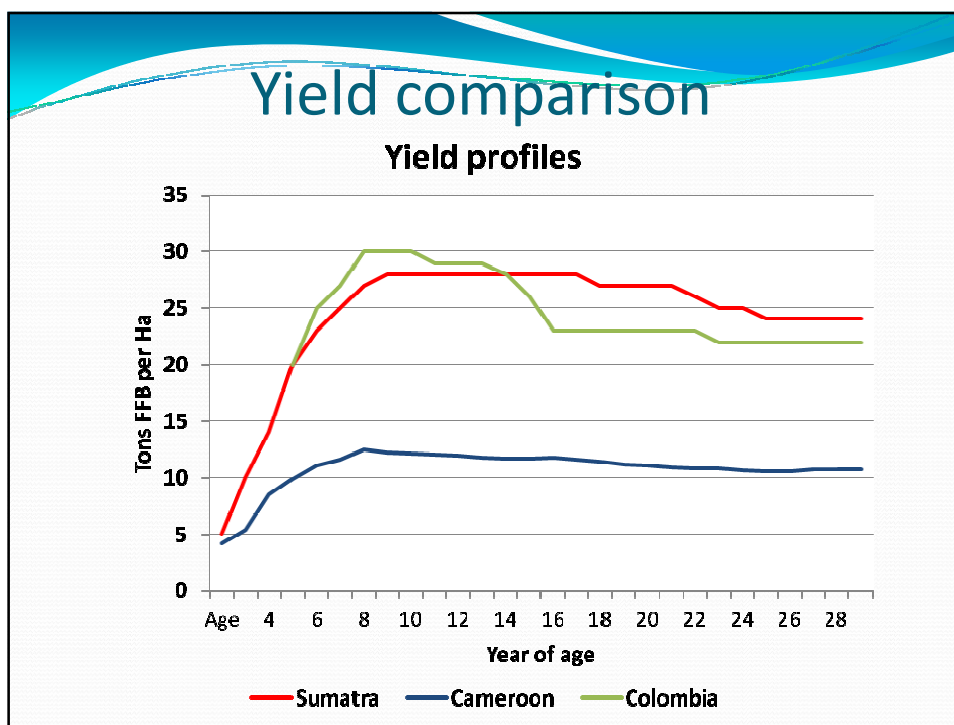


Climate and yield profile in Cameroon



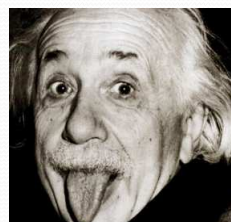
Rainfall & sunshine comparison Sumatra - Cameroun






Conclusion

African investors should go and grab land in south-east Asia where conditions are much better





**Thank you for your
attention**